

Position Check (Hopper)

The Contracting Officer's Representative (COR) will periodically check the Latitudinal and Longitudinal position of the dredge as reported on the SI Operation screen against readings from a handheld GPS receiver. The two readings should differ by no more than 3 meters (or 10 ft), depending on the number of satellites available.

Purpose: To verify the accuracy of the dredge positioning system.

Material required:

- 1) Dredge Position check form
- 2) Handheld GPS

Procedure:

Turn on the handheld GPS and allow sufficient time to acquire the maximum number of satellites at a static location. The GPS location should be taken as close to the SI GPS antenna location as possible (see DPIIP for antenna location); the position reading indicated on the SI Operations screen should also be noted at the same time (this may require a second person). The two readings will then be entered into the spreadsheet form (in degrees decimal minutes) and the difference in location calculated. Number of satellites received should be noted in remarks. Difference in position should be less than 10 feet. Note: in almost all cases this data should be entered in the columns labeled GPS1.

GPS Position Comparison						
		GPS1 location		GPS2 location		Calculated Center
		Degrees	Min	Degrees	min	
DQM Latitude						
Inspector Latitude						
Delta		0		0		
DQM Longitude						
Inspector Longitude						
Delta		0		0		
Position Delta (ft)		#DIV/0!		#DIV/0!		
Remarks:						